Recombinant Human HPN Protein, GST-tagged

Cat. No. HPN-5010H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HPN full-length ORF (AAH25716.1, 40 a.a. - 417 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a type II transmembrane serine protease. The encoded protein has an extracellular region that consists of two domains, a catalytic serine protease domain and a non-catalytic scavenger receptor cysteine-rich domain. This protein may be involved in diverse cellular functions including blood coagulation, maintenance of cell morphology and the growth and progression of certain cancers, particularly prostate cancer. Alternative splicing results in multiple transcript variants
Molecular Mass	67.43 kDa
AA Sequence	VAVLLRSDQEPLYPVQVSSADARLMVFDKTEGTWRLLCSSRSNARVAGLSCEEMG FLRALTHSELDVRTAGANGTSGFFCVDEGRLPHTQRLLEVISVCDCPRGRFLAAICQ DCGRRKLPVDRIVGGRDTSLGRWPWQVSLRYDGAHLCGGSLLSGDWVLTAAHCF PERNRVLSRWRVFAGAVAQASPHGLQLGVQAVVYHGGYLPFRDPNSEENSNDIAL VHLSSPLPLTEYIQPVCLPAAGQALVDGKICTVTGWGNTQYYGQQAGVLQEARVPII SNDVCNGADFYGNQIKPKMFCAGYPEGGIDACQGDSGGPFACEDSISRTPRWRLC GIVSWGTGCALAQKPGVYTKVSDFREWIFQAIKTHSEASGMVTQL
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HPN hepsin [Homo sapiens]
Official Symbol	HPN
Synonyms	HPN; hepsin; serine protease hepsin; TMPRSS1; transmembrane protease; serine 1; transmembrane protease serine 1; transmembrane protease, serine 1; serine protease hepsin catalytic chain; serine protease hepsin non-catalytic chain;
Gene ID	3249
mRNA Refseq	NM_002151
Protein Refseq	NP_002142
MIM	142440
UniProt ID	P05981

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